Oklahoma   **Grade 6**
                                                      Content Standards

FlyBy Math[TM] **Alignment** **Priority Academic Student Skills** **Mathematics Content Standards**

Standard 1: Algebraic Reasoning - The student will use algebraic methods to describe patterns and simplify algebraic expressions in a variety of contexts.

Skills	*FlyBy Math*[TM] **Activities**
1. Extend and create patterns from tables, graphs, rules and number properties and generalize patterns algebraically (e.g., recursive patterns like the Fibonacci numbers, number sequences, prime and composite numbers).	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. --Represent distance, speed, and time relationships for constant speed cases using tables, bar graphs, line graphs, equations, and a Cartesian coordinate system.

Standard 5: Data Analysis and Statistics - The student will use data analysis and statistics to interpret data in a variety of contexts.

Skills	*FlyBy Math*[TM] **Activities**
1. Collect, organize, and interpret data to solve problems (e.g., data from student experiments, tallies, Venn diagrams, tables, circle and bar graphs, spreadsheets).	--Represent distance, rate, and time data using tables, line plots, bar graphs, and line graphs. --Use tables, graphs, and equations to solve aircraft conflict problems.